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**Experimental Design**

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Central Composite and Non-Factorial **Response Surface**Designs ..... Technically, the minimum **aberration** design is defined as the design of maximum resolution "which ...

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describe an optical surface or wavefront in terms of **aberrations**. ... which is called a **response surface**. Each ellipse is a contour of equal variance. ... method, the simplex method **does** not need the derivative function, nor **does** the ...

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### Gendex Modules

Version 6.18 of the Gendex DOE Toolkit has 12 modules (and the bonus module Sudoku). ... The minimum G-aberration criterion proposed by Tang & Deng (1999) is a generalized ... SOD constructs second order **response surface** designs. ...

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### CRAN Task View: Design of Experiments (DoE) & Analysis of ...

Also, coding for **response surface** investigations is facilitated. ... MCPMod: An R Package for the Design and Analysis of Dose-Finding Studies . ...

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**Response surface** models may involve just main effects and interactions or they may also have quadratic and possibly cubic terms to account for curvature ...

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Online publication date: 1-Jan-2010. ... (2009) DOES SCIENTIFIC EVIDENCE SUPPORT A CHANGE FROM THE LNT MODEL FOR LOW-DOSE RADIATION RISK EXTRAPOLATION?. ...

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... of spreads on plastic-coated slides, the plastic coat was floated off onto a water **surface** and transferred ... The central element **does** not stain in this preparation, x 12 600. ... In addition, the **dose response** curve for Zn<sup>2+</sup> was shifted such that maximal stimulation occurred at 100 250 M ...

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... this would have been to decrease the steepness and curvature of the observed **dose-response** and also ... In view of the above factors the fitted linear coefficients of the **dose-responses** of ... Also of importance, however, is the conversion from **surface dose** to average **dose**, which is ...

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**Analysis of chromosome aberrations in human peripheral lymphocytes induced by in vitro α-particle irradiation**

E Schmid, L Hieber, U Heinzmann, H Roos... - Radiation and ..., 1996 - Springer

... prominent ruffles and knobs of microvilli and affixed aggregates of platelets on the cell **surface** can be ... There is no increase of chromatid-type **aberrations**, such as breaks or exchanges. ... The **dose response** relationship was nearly linear (a = 0.79 dicentric per cell and per Gy). ...

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### Radiation-induced chromosome **aberrations**: Insights gained from biophysical modeling

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